Contents

VOLUME 11, ISSUE NOS 1-4

Cell Biochemistry and Function

ISSUE No. 1 MARCH 1993

Kinetics of Expression of Prion Protein in Uninfected and Scrapie-infected N ₂ a Mouse Neuroblastoma Cells: K. Pfeifer, M. Bachmann, H. C. Schröder, J. Forrest and W. E. G. Müller	1
Regulation of the Phosphate (Pi) Concentration in UMR 106 Osteoblast-like Cells: Effect of Pi, Na ⁺ and K ⁺ : G. J. Kemp, H. I. Khouja, A. Ahmado, R. G. G. Russell and A. Bevington	13
Calciotropic Hormones Raise the Chemically Detectable [Pi] in UMR 106-06 Osteoblast-like Cells: A. Ahmado, H. I. Khouja, G. J. Kemp, D. F. Guilland-Cumming, R. G. G. Russell and A. Bevington	25
The Effects of Tunicamycin on the Metabolism of Acetylated Low Density Lipoproteins: D. P. Armstrong and D. A. White	35
Ethanol-induced Inhibition of Ventricular Protein Synthesis In Vivo and the Possible Role of Acetaldehyde: T. Siddiq, P. J. Richardson, W. D. Mitchell, J. Teare and V. R. Preedy	45
Proliferation-associated Increase in Sensitivity of Mammary Epithelial Cells to Inositol-1,4,5- Trisphosphate: KI. Enomoto, K. Furuya, S. Yamagishi and T. Maeno	55
Abnormalities of DNA in Human Osteoarthritic Articular Cartilage: N. Macha, J. Older, L. Bitensky and J. Chayen	63
Change of Liver Metabolism of 1,2-Dibromoethane during Simultaneous Treatment with Carbon Tetrachloride: E. Chiarpotto, F. Biasi, M. Aragno, A. Scavazza, O. Danni, E. Albano and G. Poli	71
Book Reviews	77
ISSUE No. 2 JUNE 1993	
Ability of Different Hepatoma Cells to Metabolize 4-Hydroxynonenal: R. A. Canuto, G. Muzio, M. Maggiora, G. Poli, F. Biasi, M. U. Dianzani, M. Ferro, A. M. Bassi, S. Penco and U. M. Marinari	79
Neurophil Integrin Assay for Clinical Studies: J. Bateman, S. K. Parida and G. B. Nash	87
Homologous Priming in Chemotactic Peptide-stimulated Neutrophils: P. Bellavite, S. Chirumbolo, G. Lippi, P. Guzzo and C. Santonastaso	93
Extracellular Calcium Modulates Proliferation of Factor Dependent Hemopoietic Cells: J. Martínez and J. F. Santibañez	101
Ethanol Inhibits Phosphatidylcholine and Phosphatidylethanolamine Biosynthesis in Human Leukemic Monocyte-like U937 Cells: A. J. Chu and C. T. Nguyen	107
Adaptation to Phosphate Deprivation in Osteoblast-like Cells: R. Ha, D. K. Steenbergen and S. A. Kempson	119
Phospholipase A ₂ from Trypanosoma congolense: Characterization and Haematological Properties: A. J. Nok, K. A. N. Esievo, S. Ibrahim, A. I. Ukoba and C. O. Ikediobi	125

9-Hydroxybenfluron Induced Inhibition of Proliferation and Metabolism in HeLa Cells: S. Jantovà and K. Horakovà	131
Effect of Exogenous CDP-Choline on Choline Metabolism in Isolated Adult Rat Ventricular Myocytes Under Normoxic and Hypoxic Conditions: S. W. Rabkin	137
Enzymatic, Metabolic and Secretory Perturbations in Pancreatic Islets of Thyroidectomized Rats: A. Sener, F. Malaisse-Lagae, C. Gervy-Decoster and W. J. Malaisse	145
Book Reviews	153
ISSUE No. 3 SEPTEMBER 1993	
Hexose Metabolism in Pancreatic Islets: Succinate Dehydrogenase Activity in Islet Homogenates: J. Rasschaert and W. J. Malaisse	155
Propranolol Has Direct Antithyroid Activity: Inhibition of Iodide Transport in Cultured Thyroid Follicles: S. Murakami, M. Nasu, H. Fukayama, L. Krishnan and M. Sugawara	159
An In Situ Study of Beta-Glucosidase Activity in Normal and Gaucher Fibroblasts with Fluorogenic Probes: E. Kohen, C. Kohen, J. G. Hirschberg, R. Santus, G. Grabowski, W. Mangel, S. Gatt and J. Prince.	167
Stability and Optimisation of Canalicular Function in Hepatocyte Couplets: J. C. Wilton, R. Coleman, D. J. Lankester and J. K. Chipman	179
Isolation and Cloning by a Polymerase Chain Reaction of a Genomic DNA Fragment of the Human Slow Skeletal Troponin (TNNT1) Gene: G. Novelli, M. Gennarelli, F. Sangiuolo, L. D'Agruma, S. Lo Cicero, S. Melchionda and B. Dallapiccola	187
Effect of Diets Containing Adenosine, Guanosine, Inosine or Xanthosine on the Nucleotide Content of Artemia. Influence of Mycophenolic Acid: A. Sillero, M. A. G. Sillero and A. Hernandorena .	193
Differential Effects of Unsaturated Fatty Acids on Phospholipid Synthesis in Human Leukemia Monocytic U937 Cells: A. J. Chu, C. T. Nguyen and J. Moore	201
Effect of Cocaine and Morphine on Neutral Endopeptidase Activity of Human Peripheral Blood Mononuclear Cells Cultured with Lectins: L. M. Leoni and G. A. Losa	211
Continuous Column Culture System for Adherent Cells: Y. Ishihara, T. Ohkubo, H. Shimazaki, N. El Borai, J. Takano and M. Yamamura	221
Lectin Binding and Uptake and Glycoprotein Characterisation of Isolated Porcine Aortic Endothelial and Smooth Muscle Cells: U. Schumacher, P. Vischer, W. Volker and B. Engelmann	225
ISSUE No. 4 DECEMBER 1993	
Obituary	ii
Dual Effects of Formylpeptides on the Adhesion of Endotoxin-Primed Human Neutrophils: P. Bellavite, S. Chirumbolo, G. Lippi, G. Andrioli, L. Bonazzi and I. Ferro	231
Intracellular Calcium Mobilization is Triggered by Clustering of Membrane Glycoproteins in Concanavalin A-Stimulated Platelets: G. Ramaschi, M. Torti, F. Sinigaglia and C. Balduini	

CONTENTS OF VOLUME 11			

V

Thioglycollate Stimulus Modifies Lymphocyte Metabolism and Proliferation. A Comparison with Lymphocyte Activation by Walker 256 Tumour Implantation: L. F. B. P. Costa Rosa, A. F. de Almeida, D. A. Safi and R. Curi	251
PTH Induces Modification of Transductive Events in Otosclerotic Bone Cell Cultures: G. Fanó, G. Venti-Donti, S. Belia, G. Paludetti, A. Antonica, E. Donti and M. Maurizi	257
Modifications of Proteoglycans Produced by Human Skin Fibroblast Cultures During Replicative Senescence: A. Passi, R. Albertini, A. Bardoni, S. Rindi, R. Salvini, G. Pallavicini and G. De Luca	263
Characterization of Over-Expressed Alkaline Phosphodiesterase I in Tumour-Derived Fibroblasts from Patients with Neurofibromatosis: E. Maruyama and S. Takashima	271
Stimulation of HeLa Cell Growth by Physiological Concentrations of 4-Hydroxynonenal: N. Zarkovic, Z. Ilic, M. Jurin, R. J. Schaur, H. Puhl and H. Esterbauer.	279
On the Association of DNA Primase Activity with the Nuclear Matrix in HeLa S3 Cells: A. M. Martelli $$	287
Book Reviews	291
Author Index	293
Kayward Index	204